



[Go to Product page](#)

Datasheet for ABIN2784090

## anti-HLA-DPA1 antibody (Middle Region)

### 1 Image

#### Overview

Quantity:	100 µL
Target:	HLA-DPA1
Binding Specificity:	Middle Region
Reactivity:	Human, Pig
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

#### Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human HLA-DPA1
Sequence:	EAQEPIQMPE TTETVLCALG LVLGLVGIIV GTVLIKSLR SGHDPRAQGT
Predicted Reactivity:	Human: 100%, Pig: 86%
Characteristics:	This is a rabbit polyclonal antibody against HLA-DPA1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

#### Target Details

Target:	HLA-DPA1
Alternative Name:	HLA-DPA1 ( <a href="#">HLA-DPA1 Products</a> )
Background:	The specific function of this protein remains unknown.HLA-DPA1 belongs to the HLA class II

## Target Details

---

alpha chain paralogues. This class II molecule is a heterodimer consisting of an alpha (DPA) and a beta (DPB) chain, both anchored in the membrane. It plays a central role in the immune system by presenting peptides derived from extracellular proteins. Class II molecules are expressed in antigen presenting cells (APC: B lymphocytes, dendritic cells, macrophages). The alpha chain is approximately 33-35 kDa and its gene contains 5 exons. Exon one encodes the leader peptide, exons 2 and 3 encode the two extracellular domains, exon 4 encodes the transmembrane domain and the cytoplasmic tail. Within the DP molecule both the alpha chain and the beta chain contain the polymorphisms specifying the peptide binding specificities, resulting in up to 4 different molecules. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

Alias Symbols: HLA-DP1A, HLADP, HLASB, PLT1, DP(W3), DP(W4)

Protein Interaction Partner: UBC, CD4, HLA-DPB1, CD74,

Protein Size: 260

Molecular Weight:	26 kDa
Gene ID:	3113
NCBI Accession:	<a href="#">NM_033554</a> , <a href="#">NP_291032</a>
UniProt:	<a href="#">P20036</a>
Pathways:	<a href="#">TCR Signaling</a> , <a href="#">Cancer Immune Checkpoints</a> , <a href="#">Human Leukocyte Antigen (HLA) in Adaptive Immune Response</a>

## Application Details

---

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 260 AA
Restrictions:	For Research Use only

## Handling

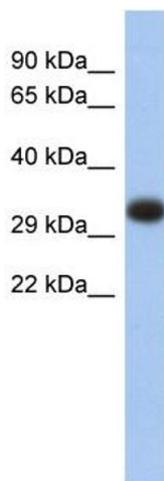
---

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

## Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Images



### Western Blotting

**Image 1.** WB Suggested Anti-HLA-DPA1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:1562500 Positive Control: Human Thymus